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**A Selected Bibliography on Gender in
Environment and Natural Resources**
With an Emphasis on Africa

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*Productive Sector Growth and Environment Division
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Contents

Foreword	v
Acknowledgements	vii
Glossary of Acronyms and Abbreviations	ix
1. Introduction	1
2. Organization	3
3. User's Guide	5
4. Bibliographic References	7
1. Women and Development	7
2. Sustainable Development	9
3. Women and Environment	9
4. Conservation	11
5. Forests and Forestry	11
6. Natural Resources Management	15
7. Tenure	17
8. Indigenous Knowledge	17
9. Feminism and Ecofeminism	18
10. Energy	19
11. Water	21
12. Food Systems and Food Security	21
13. Women in Agriculture	23
14. Mobilizing and Empowering	27
15. Case Studies	28
16. Guides and Methodologies	29
17. Bibliographies	31
Index	33
Author	33
Subject	36
Geographical	38
Institutional	39

Foreword

The consideration of gender issues in natural resources management (NRM) in Africa merits special attention. Knowledge of these issues is critical for successful project design, planning and implementation; and policy making at regional, national, and local levels.

The associated review of the U.S. Agency for International Development NRM projects and the bibliography were developed in association with the Conference on Environment and Natural Resources Policy held in The Gambia in January 1994. The Conference brought together NGOs, PVOs, USAID field staff, and ministry officials who are implementing environmental projects across Africa. The themes of participation and governance, drew attention to the issue of women's participation, as both beneficiaries and decision-makers. We can not afford to pay lip service to women in development in the face of mounting evidence that shows the link between failing to

integrate gender issues in project planning and failed initiatives.

This publication—*A Selected Bibliography on Gender in Environment and Natural Resources*—navigates us through a sample of USAID environmental projects and, concomitantly, through the practice of gender analysis, revealing areas of needed improvement and gaps in our knowledge.* Together with *A Guide to Gender Dimension of Environment and Natural Resources Management*, this document will help project implementors and policymakers better understand gender issues in natural resources management, and provide guidance in addressing those issues.

Curt Reintsma
Division Chief
USAID/AFR/SD/PSGE

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As the women in development advisor to the Africa Bureau under the Africa Women in Development (AFWID) Project, I compiled this bibliography in consultation with the Africa Bureau's Office of Sustainable Development, the Productive Sector Growth and Environment Division (AFR/SD/PSGE) prior to the January 1994 Environment and Natural Resources Policy Conference held in Banjul, The Gambia. The project was designed to advise and support Bureau and Mission efforts to more routinely

address gender issues in all sectors as well as to monitor progress and document the accomplishments.

Among its activities, AFWID delivered technical assistance in the form of training, project or program reviews, identification of research needs, and recommendations for policy and program improvement to accomplish the Agency's women in development goals.

I hope to build on this current bibliography to develop an annotated version, which would include abstracts for the more salient references. It could also be used as a database to expand the list of references as new publications on the subject become available. Comments, corrections, and additions are especially welcome.

Additional resource materials or information on the subject can be obtained by contacting me at The MayaTech Corporation, 1300 Spring Street, 5th Floor, Silver Spring, Maryland 20910-3618, tel: (301) 587-1600 or fax: (301) 587-0709.

Mary Picard

Glossary of Acronyms and Abbreviations

AAWORD	African Women's Association for Research and Development
AFR	Bureau for Africa (USAID)
AFWID	Africa Women in Development Project
ARTS	Office of Analysis, Research, and Technical Support (USAID/AFR, currently USAID/SD)
ATRCW	African Training and Research Centre for Women
AWLAE	African Women Leaders in Agriculture and the Environment Program (Winrock International)
CDIE	Center for Development Impact and Evaluation (USAID)
CIDA	Canadian International Development Agency
CILSS	Permanent Interstate Committee for Drought Control in the Sahel
CGIAR	Consultative Group on International Agricultural Research
CWS	Church World Service
DAWN	Development Alternatives with Women for a New Era
DESFIL	Development Strategies for Fragile Lands Project (Chemonics International)
ECOGEN	Ecology, Community Organization and Gender Research Project
ELCI	Environment Liaison Centre International
ENDA	Environment and Development Action in the Third World
FAO	Food and Agriculture Organization (United Nations)
FARA	Division of Food, Agriculture, and Resources Analysis (USAID/AFR/ARTS, currently USAID/SD/PSGE)
FINNIDA	Finnish International Development Agency
FSP	Forestry Support Program
GENESYS	Gender in Economic and Social Systems Project (The Futures Group)
IAA	Institute for African Alternatives
ICLARM	International Center for Living Aquatic Resources Management
ICRAF	International Centre for Research on Agroforestry
ICRW	International Council for Research on Women
IDA	Institute for Development Anthropology
IDRC	International Development Research Centre
IDS	Institute for Development Studies
IFAD	International Food and Agricultural Development
IIED	International Institute for Environment and Development
ILO	International Labour Organization

INSTRAW	International Research and Training Institute for the Advancement of Women
IUCN	International Union for Conservation of Nature
IWTC	International Women's Tribune Centre
KIT	Royal Tropical Institute (The Netherlands)
LTC	Land Tenure Center (University of Wisconsin)
NCRW	National Council for Research on Women
NES	National Environmental Secretariat (Kenya)
NGO	Nongovernmental Organization
NRM	Natural Resources Management
OECD	Organization for Economic Cooperation and Development
ODI	Overseas Development Institute
PRA	participatory rapid appraisal
PSGE	Productive Sector Growth and Environment Division (USAID/AFR/SD, formerly USAID/AFR/ARTS/FARA)
SADCC	Southern African Development Coordination Conference (currently Southern African Development Coordination, SADC)
SD	Office of Sustainable Development (USAID/AFR, formerly USAID/AFR/ARTS)
SID	Society for International Development
SIDA	Swedish International Development Agency
UN	United Nations
UNCED	United Nations Conference on Environment and Development
UNECA	United Nations Economic Commission for Africa
UNEP	United Nations Environment Programme
UNICEF	United Nations Children's Fund
UNIFEM	United Nations Development Fund for Women
UN-NGLS	United Nations Non-Governmental Organization Liaison Service
USAID	U.S. Agency for International Development
USDA	U.S. Department of Agriculture
WEP	World Employment Programme (ILO)
WID	Women in Development
WRI	World Resources Institute
WWF	World Wildlife Fund

1. Introduction

This bibliography is an update of an earlier version prepared by the Africa Women in Development (AFWID) Advisor of the U.S. Agency for International Development (USAID) Bureau for Africa for the purpose of the Environment and Natural Resources Policy Conference held in Banjul, The Gambia, January 18–22, 1994, and sponsored by the Africa Bureau's Office of Sustainable Development, Productive Sector Growth and Environment Division (AFR/SD/PSGE, formerly AFR/ARTS/FARA). Although the bibliographic listing has not changed considerably, the presentation and organization have been altered to create a better roadmap for its use and maximize its versatility. This resource document was initially conceived for the conference participants, the majority of whom were involved in the planning and/or implementation of USAID projects and programs in environment and natural resources.

The bibliography grew out of a parallel initiative which attempted to test common hypotheses in the women-in-development (WID) literature and apply them to designs and evaluations of over 10 USAID natural resource management or environment projects in Africa. The findings and postulates derived from this research compose a guidebook for project staff titled *A Guide to the Gender Dimension of Environment and Natural Resource Management: Based on a Sample Review of USAID NRM Projects in Africa*, and published in the ARTS Technical Paper series.

The collection of references under this bibliography more truly reflects the literature review process undertaken in order to develop a methodology for the short, documentation-based assessment of USAID projects. It, therefore, does not purport to represent a

comprehensive listing of sources under the rubric of gender and natural resources / environment in Africa but is, in some ways, more general. A preliminary review of USAID projects led the author to elaborate a more *holistic* approach in the research, touching on the basics of gender analysis in project design, capturing common themes or problems in the gender/environment relationship, and ending with more general postulates on the impact of gender integration on project efficiency. The bibliography is, thus, constructed in a supportive fashion and its divisioning is explained more specifically below.

The selection of sources under each heading reflects most of the significant works on the subject, adhering to the focus on Africa, and other pieces which are either more region-specific or issue-specific. Likewise, an attempt has been made to include sources by African authors, as well as conference or workshop papers that supply a good proportion of empirical work. The visibly large number of USAID sources in the bibliography is commensurate with the accessibility to the documentation, as well as the target audience for which this work was originally intended.

While the bibliography was meant as a stand-alone piece, the user may also wish to obtain a copy of the guidebook, which illustrates the culmination of ideas, concepts, and statements derived from this body of literature. The referred guide also provides some measure for development practitioners for their own understanding of the gender dimension of the human-environment relationship relative to the advances being made by academic research and gender specialists.

2. Organization

The compilation of sources seeks to convey, by way of the literature span, the *context* in which natural resources management (NRM) and environment projects are set. That is, the subject of environment encompasses conservation, forestry, resource management, tenure issues, indigenous technical knowledge, water, and energy, and constitutes the bulk of the bibliography. Yet linking gender to environment and development calls for a broader familiarization with concepts, issues, and techniques found in the development and academic literature on the subject. Moreover, a reading of the management and conservation of environmental resources would be incomplete without consideration of resource use for productive purposes—hence, the inclusion of a section on agriculture and one on food systems and food security.

The volume of sources under each subject heading is significant in certain areas—namely, conservation, forestry, natural resources management, tenure, and indigenous knowledge. A more intensive search for these technical subjects, cross-referenced with gender and Africa, was conducted. It revealed that a vast amount of research in forestry precedes the investigative track on NRM and gender, thereby endowing the field with a wealth of lessons learned. Natural resources management in association with agriculture is broad in its scope of community- or locally-based initiatives but not in its accumulation of gender-sensitive strategies. Conservation—which is used here as a catch-all for biological diversity, wildlife management, protected areas, and national parks—has only recently begun to demonstrate an awareness of gender differentiation commensurate with the practice of conservation-development initiatives. Research in gender and tenure is gaining momentum as donor assistance expands to include policy and legislative reform which promotes decentralized

forms of resource management. A lagging area is indigenous knowledge of NRM and the environment; there is a notable theoretical and empirical gap in the scrutiny of gender roles in indigenous knowledge. Other areas, such as water and energy, have been more richly studied and documented but only a representative sample of sources was selected to retain the primary focus on natural resources. Feminism and ecofeminism afford an alternative, more theoretical and philosophical slant on the relationship between gender and environment than the “women and environment” literature, which, in contrast, is also more oriented to the developing world. While less relevant to practitioners, the ecofeminism readings offer up perspectives on human behaviors and attitudes to the environment.

The first three sections of the bibliography—“Women and Development,” “Sustainable Development,” and “Women and Environment”—are aimed at introducing the user to more general fields which lay a foundation for conceptualizing the links between gender, development, and environment. It is useful to know, for instance, that the field of women in development (WID) has evolved from a focus on women to a focus on gender or that the roles and responsibilities of both men and women. This current of thought has considerable implications for project design. The section on sustainable development informs the reader about the imperative of integrating women in the development process for reasons of sustainability. At least one version of the definition of sustainability has appropriated gender as a cross-cutting issue, among others.

As previously mentioned, the sections on “Food Systems and Food Security” and “Women in Agriculture,” which are large bodies of literature, are corollaries to the conservation and management of resources. How people *use* resources and what eco-

conomic value they ascribe to them, in a primarily agricultural economy, must take into account the roles of men and women in subsistence and food production. For further reading, other bibliographies on the subject, referenced in the last section of this document, should be consulted.

Another dimension to achieving conservation and management goals has to do with institutional and organizational strengthening. The section on “Mobi-

lizing and Empowering,” which is only a small sampling of the literature, recognizes the need to empower women and support their efforts to spearhead environmental action in their countries, as epitomized by the Greenbelt Movement in Kenya. Finally, the last three sections—“Case Studies,” “Guides and Methodologies,” and “Bibliographies”—are self-explanatory and span the range of technical subjects identified by the preceding sections.

3. User's Guide

There is only one numbering system for the total 284 entries. Each bibliographic reference is supplied with keywords that are replicated as index entries. In addition to the keywords specified at the end of each entry, each source is automatically assigned a keyword corresponding to the subheading under which it appears, which means that a subheading search in the index will produce all entries listed under that subheading. There are basically four types of keywords: subject, subheading titles, geographic region, and institutional affiliation, if it applies. The index categories are author, subject, geographic region, and institution. The identification of keywords for this bibliography is mainly tied to titles rather than to a perusal of each individual source which will be feasible during the course of preparing an annotated bibliography.

As an illustration on how to use the index, if someone is conducting a search by author, the user should consult the author index which would list the author's name alphabetically and beside the name, the corresponding bibliographic reference numbers.

The bibliography does *not* provide the user with information on the specific repositories or databases for locating where a book or article can be ordered or purchased. Obviously, the reports produced for USAID can be accessed through the CDIE database of USAID holdings. Other databases searched for the purpose of this bibliography include AGRICOLA, the Environmental Bibliography, Enviroline, Commonwealth Agriculture Bureau (CAB) in England, and AGRIS International (FAO reports and others), and the Public Affairs Information Service Database.

For a search on a special topic, USAID staff may contact the Africa Bureau Information Center (ABIC), CDIE, by email.

Titles of books, journals, and all published works are presented in italics. Journal articles, conference papers, and unpublished materials appear in quotes. The breakdown of bibliographic references by subheading and their corresponding numbers is the following:

1. Women and Development	001–026
2. Sustainable Development	027–036
3. Women and Environment	037–053
4. Conservation	054–058
5. Forests and Forestry	059–103
6. Natural Resources Management	104–114
7. Tenure	115–120
8. Indigenous Knowledge	121–130
9. Feminism and Ecofeminism	131–143
10. Energy	144–159
11. Water	160–167
12. Food Systems and Food Security	168–186
13. Women in Agriculture	187–233
14. Mobilizing and Empowering	234–242
15. Case Studies	243–260
16. Guides and Methodologies	261–278
17. Bibliographies	279–284

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Index

Author

- Abedin, M.Z. 267
Abega, Severin Cecile 059
Abramovitz, Janet 054, 055
Addo, F. 056
Adekanye, T.O. 187
Aidoo, A. 037
Aklilu, D. 038
Alexandria University 039
Allison, C. 188
Aloo, Theresa 060
Anderson, M. 271
Ardayfio-Schandorf, Elizabeth 144
Arif, Farida E. 061
Aryee, Gloria 062
Asamba, I. 234
Asibey, E. 056
Austin, J. 271
Awa, Njoku E. 121
Aworì, Achoka 122
- Bahemuka, J. 189
Bamba, Nonny 063
Barnes, C. 145
Bay, Edna G. 001
Beneria, Lourdes 002
Berger, Marguerite 190
Berthé, Aissatou Diallo 064
Besley, Timothy 261
Bheenick, R. 243
Blackwell, Jonathan M. 244
Blain, D. 191
Blumberg, R. 003, 169, 192
Boesveld, M. 040
Bonnéhin, L. 245
Boserup, E. 004
Bradley, P.N. 146
Bruce, J. 115
- Bruce, Judith 208
Bryceson, D.F. 193
Bryson, Judy C. 194
Buckley, Mary 131
Buvinic, M. 005, 006, 262
- Caldecott, L. 132
Caro, Deborah 279
Cashman, K. 195
Caye, Virginia 221
CCA-ONG/MALI 066
Cecelski, E. 147
Charlton, S. 007
Chavangi, Noel 065
Chernick, S. 176
Chilivumbo, Alifeyo 246
Chimedza, R. 170
Clark University 263
Clark, Garcia 171
Cleaver, K. 196
Clones, J. 041, 042, 264
Cloud, K. 197, 198, 199, 271
Collins, Jane L. 027
Correia, M.C. 067
Creevey, Lucy E. 200
Curtis, V. 160
- Dahlberg, F. 172
Dankelman, Irene 043, 173
Davenport, Alice 148
Davidson, J. 043
Davies, S. 174
Davison, J. 201
Dei, G.J.S. 123
Delancey, Virginia 190
Dey, Jennie 175, 202, 203
Diamond, I. 133
Dixon, R.B. 008, 204
Dixon-Mueller, R. 265

Djibo, Hadiza 104	Huston, P. 011
Doorenbos, J. 205	Hynes, H. Patricia 012
Doss, Cheryl R. 206	
Due, J. 009, 010, 207	Ibro, Germaine 104
Dwyer, Daisy 208	Inglis, A.S. 152
Dyson, M. 056	International Labour Office (ILO) 116
Easter, C.D. 028	Jackson, Cecile 047
Ehrenreich, D. 113	Jacobson, Jodi 030
El Amin, Shadia 247	Jiggins, J. 179, 205
Elnur, Awatif Mahmoud 149	Jommo, Rosemary 075, 125
ELCI 044, 045, 124	Jones, Maggie 235
Ensminger, J. 145	Jorgensen, K. 162
Estes, Valerie 280	Jowkar, F. 281
Feldman, S. 267	Kabutha, C. 242
Feldstein, Hilary Sims 248	Kalven, Janet 131
Finney, Ruth 266	Kanbur, Ravi 261
Fleuret, Patrick 150	Kandiyoti, Deniz 212
Fleuret, Anne 150	Kanyangwa, Joyce 246
Fones-Sundell, Melinda 209	Kerkhof, P. 076
Force, J.E. 113	Kessler, Shelley 282
Ford, R. 242	Khasiani, S. 048
Fortmann, L. 068, 115, 210, 249	Khatibu, M.I. 077
Furfe, Rosemary 151, 250	King, Ynestra 135, 136, 137
	Kinnaird, Vivian 252
Gittinger, J. 176	Kompaore, S. 163
Goddard, Paula 251	
Goheen, Miriam 211	Lalonde, A 031
Goodwillie, Roger N. 244	Leach, M. 105
Grown, C. 021	Leland, S. 132
Gumbo, Davison J. 069	Leonard, Jeffrey 106
	Leslie, Joanne 013
Haraway, D. 134	Lewenhak, Sheila 014
Häusler, Sabine 029	Lewis, B.C. 213
Haverkort, B. 205	Lewis, Scott J. 078
Hedley, R. 046	Lightfoot, C. 267
Helin, W.H. 070	Longwe, S. 236, 268
Henn, J.K. 177	Loose, Edna 214
Hitchcock, R.K. 057	Loudiyi, D. 032, 283
Hobley, Mary 256	Lycette, Margaret 006, 049
Hoeksema, J. 071	
Horenstein, N. 176, 178	Maathai, Wangari 235, 237
Horowitz, M. 161, 281	Madeley, John 126
Hoskins, Marilyn W. 072, 073, 074	Magayane, F. 207
Hunter, M. L. 057	Malaret, Luis 129

Maramba, Petronella 069
March, Candida 026
Martin, Y. 128
May, N. 076
Mbaratha, Jane 127
Mbatia, P. 189
Mbuthi, J. 058
McCall, Michael 238
McGreevy, P. 006
McSweeney, B.G. 269
Meares, Alison 283
Mehra, Rekha 033, 107
Mellencamp, Amy 190
Merchant, Carolyn 138
Miller, David M. 108
Molnar, Augusta 079, 080
Momsen, Janet 015, 016, 252
Monimart, M. 109
Moock, J.L. 215
Moore, H. 216
Mukamuri, Billy 069
Muntemba, S. 253
Munyao, P. 081
Murphy, Josette 270
Murphy, R.F. 082
Murphy, Y. 082
Mvududu, S.C. 083

Nagle, B. 032
National Environmental Secretariat of Kenya 263
Nelson, N. 017
Nichols, R. 055
Njuki, Carolyn 110
Norem, R. 128
Nyoni, S. 180
Nzioka, C. 189

Obeng, Letitia E. 164
Obi, S.N.C. 117
Ofosu-Amaah, W. 032
Ogle, Britta 254
O'Keefe, P. 145
Orenstein, G.F. 133
OECD 050
Osheik, Aisha Adam Sidi 250
Owusu-Bempah, K. 084

Palmer, I. 018, 217, 218
Paolisso, Michael 013, 153
Parker, Rani 272
Parpart, J. 019
Plant, Judith 139
Poats, S. 219, 220, 248
Postel-Coster, E. 040

Quist, K. 056

Ramandraiarisoa, J. 255
Randrianarisoa, O. 255
Robinson, Lyn 111
Rocheleau, Dianne 058, 085, 118, 119, 129, 130, 249, 275
Rodda, Annabel 051
Rojas, Mary Hill 273, 275, 277
Russo, Sandra 274

Sachs, Carolyn 140, 221
Saito, K. 176, 222
Salem-Murdock, M. 161
Sandler, J. 239
Schmink, Marianne 220
Schofield, K. 058
Schreiber, G. 080, 196
Schroeder, Richard, A. 181
Scott, Gloria 086, 087
Seager, Joni 141
Sen, Gita 020, 021
Shaikh, Asif 112
Sheehan, Nancy 120
Sheppard, Gillian 256
Shields, D. 275
Shiva, Vandana 142
Skutsch, M.M. 088
Sokona, Y. 154
Sontheimer, Sally 052
Spring, Anita 182, 220, 223, 224
Stamp, P. 240, 241
Staudt, Kathleen 225, 226
Stock, M. 113
Stormer, Amé 279
Suleiman, R.H. 077
Suliman, Mohamed 257

Summary, R. 010

Thomas-Slayter, B. 034, 234, 275, 276

Thrupp, L.A. 155

Tinker, Irene 022, 156

Tobisson, Eva 183

Toulmin, C. 227

Townshend, J 016

USAID 035

U.S. Congress 036

UN/DTCD 165

UNECA 157

United Kingdom, Minority Rights Group 023

United Nations 024

UNEP 166, 186, 258

UN-NGLS 025

UNFAO 089, 090, 091, 092, 093, 157, 184, 185, 228,
229, 277

USDA 066

Vainio-Mattila, A. 158

van den Hombergh, H. 284

van Driel, A. 094

van Wijk-Sijbesma 167

Vaughan, M. 216

Wachira, Kamoji K. 095, 129

Walker, A. 239

Walker, K.P. 259

Walker, S. 230

Wallace, Tina 026

Wanjohi, Bernard Muchiri 129

Warner, J. 231

Warren, Karen, J. 143

Warren, S.T. 096

Webb, Richard 244

Weidemann, C. 222

Whalen, I.T. 232

Williams, Paula J. 097, 098, 099, 100, 101, 102, 103,
260, 278

Wilson, Wendy 114

Winrock International 233

Wisner, B. 159

WorldWIDE Network 053, 258

Wyckoff-Baird, B. 057

Yoder, R. 128

Yudelman, S. 005

Subject

advocacy 132

agrarian reform 217

agricultural services 225

agriculture 028, 104, 121, 128, 130, 140, 169, 170,
175, 184, 185, 187–233, 248, 265, 270, 274, 279,
282

agroforestry 059, 076, 081, 084, 085, 095, 118, 129,
249

agropastoralism 114, 281

alley farming 195

bibliography 279–284

biodiversity 036, 054, 055, 245

bushmeat trade 056

case studies 009, 050, 051, 052, 058, 069, 077, 083,
099, 101, 102, 129, 130, 150, 161, 168, 181, 189,
191, 226, 230, 234, 243–260

cassava 191

children 101, 125

class 020

coffee 234

community development 072, 107, 111

community forestry 059, 061, 069, 072, 073, 077,
078, 079, 091, 092, 250, 277

community resource management 109

concepts 034, 047, 085, 097, 106, 120, 122, 198, 204,
208, 219, 220, 228, 236, 240, 248, 265, 266, 267,
268, 274, 275, 276

conference 020, 039, 056, 097, 101, 111, 112, 113,
119, 125, 127, 135, 136, 154, 161, 162, 165, 173,
185, 240, 245, 258

congressional testimony 036

conservation 028, 036, 043, 054–058, 106, 142, 127,
245, 255, 283

constraints 010, 115, 119, 144, 147, 154, 155,
156, 185, 187, 193, 198, 209, 212, 213, 217, 218,
222, 225, 238

data analysis 204, 269

data collection 204, 269
 deforestation 216
 desertification 109
 development projects 008, 064, 069, 074, 076, 077, 078, 081, 086, 087, 108, 121, 148, 167, 182, 197, 198, 202, 210, 223, 224, 240, 243, 246, 250, 251, 254, 259, 262, 271, 273
 directory 053
 drought 109, 112, 181

 ecofeminism 131–143
 economic development 003, 004, 007, 015, 017, 018, 020, 024, 142, 146, 208, 236, 244
 energy 144–159
 environmental degradation 038
 environmental rehabilitation 037
 erosion control 242
 extension 190, 192, 205, 220, 222, 226, 230

 farming systems 084, 085, 191, 203, 215, 220, 248, 267
 female-headed households 207
 food security 116, 168–186
 food shortages 179, 180
 food systems 081, 123, 140, 154, 169, 173, 175, 199
 forestry 059–103, 110, 117, 151, 152, 184, 245, 247, 259, 260, 278
 fuelwood 076, 145, 146, 150, 151, 152, 153, 157

 gender analysis 248, 266, 272, 276, 279
 gender, general 003, 016, 018, 020, 022, 026, 030, 034, 035, 042, 047, 084, 085, 096, 104, 105, 107, 108, 111, 114, 115, 117, 118, 119, 120, 128, 130, 181, 190, 197, 219, 220, 231, 241, 248, 252, 264, 267, 271, 273, 274, 275, 279, 280, 281, 284
 gender roles 002, 182, 199, 231, 271
 germplasm conservation 127
 Greenbelt Movement 237
 guides and methodologies 070, 080, 106, 204, 248, 261–278

 health 164, 167
 horticulture 259
 hunting and gathering societies 172

 indicators 265

 indigenous knowledge 031, 081, 121–130, 142
 inequalities 020, 022
 institutions 185, 242
 international agricultural research 219, 221, 232

 land 033, 095, 115, 116, 118, 119, 120, 188, 201, 211, 235
 livestock 224, 227, 231, 234

 male out-migration 218
 mobilizing and empowering 082, 234–242, 268

 national parks 056, 058
 natural resources 113, 172, 255, 280
 natural resources management 034, 041, 048, 066, 085, 096, 104–114, 125, 170, 263, 267, 274, 275, 276, 279
 nontimber forest products 092
 nutrition 123, 183, 216, 254

 planning 018, 040
 policy 106, 161, 185, 187, 194, 207, 212, 226, 243, 244, 270
 population 018, 049, 196, 255
 poverty 005, 006, 058, 116, 159
 productivity 198
 project design 198, 262, 266, 277
 project implementation 262, 277
 protected areas 056
 public health 039

 rapid appraisal 079
 reforestation 235, 237
 research 040, 106, 120, 146, 204, 279
 resources management 085, 107, 163, 276
 rice 202, 203
 river basin development 161
 rural, general 002, 009, 059, 074, 076, 084, 085, 119, 144, 145, 147, 151, 152, 156, 157, 159, 162, 177, 214, 215, 234, 263, 267, 269
 rural development 038, 083, 106, 121, 169, 185, 200, 246, 253

 seasonality 179
 social forestry 071, 083, 088, 096, 256
 sustainable development 027–036, 152, 275, 276

targeting 261
 technology 012, 160, 193, 232, 238, 241
 tenure 115–120, 201
 theory 131, 133, 134, 136, 137, 138, 143
 Third World women's perspective 009, 011, 021, 025, 151
 training 273
 tree nurseries 098
 trees 058, 115, 117, 118, 216, 254, 278

 urban 152, 177

 villagization 238

 water 058, 104, 160–167, 227
 watersheds 104
 wildlife 057
 women and environment 027, 035, 037–053, 115, 119, 127, 153, 166, 180, 186, 233, 257, 258, 264, 284
 women and development 001–026, 046, 251, 252
 women and nature 131–141, 143
 women and work 014, 144, 147, 154, 160, 265
 women leaders 189, 206, 233
 women's time 156, 214, 269
 woodlots 146
 workshop 045, 060, 062, 063, 064, 065, 066, 075, 078, 099, 100, 106, 115, 116, 118, 120, 149, 157, 180, 247, 268

Geographical

Africa, general 001, 010, 017, 018, 019, 023, 025, 028, 031, 032, 041, 042, 048, 057, 075, 099, 100, 102, 103, 110, 114, 116, 122, 162, 168, 171, 175, 177, 180, 182, 194, 196, 199, 200, 201, 203, 204, 206, 211, 215, 222, 225, 236, 240, 241, 244, 252, 257, 260, 264, 270, 278
 Asia 252

 Botswana 209, 259, 268

 Cameroon 059, 098, 230

 East Africa 146

Egypt 039, 127

 Gambia 028, 202
 Ghana 056, 084, 144

 India 142
 Ivory Coast 063, 245

 Kakayuni 081
 Kakamega 076
 Kathama 081
 Kenya 045, 058, 060, 063, 065, 076, 081, 095, 100, 118, 127, 129, 130, 145, 149, 155, 159, 160, 164, 178, 189, 226, 234, 235, 237, 242, 263, 278

 Latin America 252
 Lesotho 159

 Machakos 081, 234
 Madagascar 255
 Malawi 067, 223, 224
 Mali 066, 094, 108, 109, 112, 157, 165, 199, 200
 Mara 183

 Niger 104, 114
 Nigeria 195
 Nyamwigura 183

 Pwani 058

 Sahel 112, 199, 200, 227, 250
 Senegal 062, 064, 065, 078, 099, 161, 162, 214, 247
 Shendi 247, 250
 Sierra Leone 152
 Somalia 070, 078
 Southern Africa 057, 076, 111, 268
 Sudan 091, 149, 151, 247, 250

 Tanzania 077, 183, 150, 238
 Third World 005, 006, 007, 009, 113, 115, 116, 021, 043, 047, 052, 128, 208, 265, 282

 West Africa 092, 094, 105, 123, 154

 Zaire 191

Zambia 009, 216, 246, 254, 268

Zanzibar 077

Zimbabwe 069, 083, 115, 116, 170, 185

Institutional

Beijer Institute 076, 145

Canadian International Development Agency (CIDA)
067

CCA/ONG/Mali 066

Church World Service 070

Club du Sahel 112

Consultative Group on International Agricultural
Research (CGIAR) 232, 219

Development Alternatives with Women for a New
Era (DAWN) 021

Ecology, Community Organization and Gender Re-
search project (ECOGEN) 034, 058, 234, 275,
276

Environment and Development Action in the Third
World (ENDA-TM) 069, 076

Environment Liaison Centre International (ELCI) 044,
045, 060, 062, 063, 064, 065, 078, 099, 100, 124,
149, 180, 237, 247, 278

Greenbelt Movement (Kenya) 237

Institute for African Alternatives (IAA) 257

Institute for Development Anthropology (IDA) 161,
281

Institute for Development Studies (IDS) 105, 159,
174, 179, 188

International Centre for Research on Agroforestry
(ICRAF) 081, 095, 118

International Council for Research on Women
(ICRW) 005, 033, 049, 107, 153, 190, 262

International Development Research Centre (IDRC)
241

International Food and Agricultural Development
(IFAD) 273

International Institute for Environment and Develop-
ment (IIED) 014, 050, 109

International Labour Organization (ILO) 116, 144,
147, 253, 265

International Union for Conservation of Nature
(IUCN) 043, 245, 255, 283

Land Tenure Center, University of Wisconsin (LTC)
118, 120

National Council for Research on Women (NCRW)
282

National Environmental Secretariat (Kenya) 263

Organization for Economic Cooperation and Devel-
opment (OECD) 050

Overseas Development Institute (ODI) 152, 256
Oxfam 026

Permanent Interstate Committee for Drought Control
in the Sahel (CILSS) 112

Royal Tropical Institute (KIT) 094

Scandinavian Institute of African Studies 145

Southern African Development Coordination Con-
ference (SADCC) 067

Society for International Development (SID) 038

Swedish International Development Agency (SIDA)
090, 115, 119, 246

United Nations (UN) 024, 165, 173, 193, 239

UN Children's Fund (UNICEF) 101, 125, 161, 173,
268

UN Conference on Environment and Development
(UNCED) 101, 119, 125, 161, 173

UN Development Fund for Women (UNIFEM) 171

UN Economic Commission for Africa (UNECA) 037,
157

UN Environment Programme (UNEP) 164, 166, 186,
258

UN Food and Agriculture Organization (FAO) 059,
061, 069, 074, 077, 079, 089, 090, 091,
092, 093, 157, 175, 184, 185, 191, 203, 228, 229,
250, 254, 259, 277

UN-NGO Liaison Service (UN-NGLS) 025, 051,
168

United Kingdom Minority Rights Group 023

United States Agency for International Development
(USAID) 003, 008, 035, 066, 072, 087, 106, 108,
110, 111, 112, 114, 148, 169, 190, 197, 210, 213,
231, 251, 273, 274

United States Congress 036

United States Department of Agriculture (USDA)
066, 110

Winrock International 189, 192, 206, 233

World Bank 041, 042, 056, 059, 080, 086, 176, 178,
196, 222, 230, 243, 244, 261, 264, 270

World Resources Institute (WRI) 242

Worldwatch Institute 030

WorldWIDE Network 032, 053, 258

World Wildlife Fund (WWF) 107

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